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Aerobic Pond Prior to ComBact™ Treatment



Aerobic Pond 6 weeks after ComBact™ Treatment

Client Category: Abattoir Treatment Plant

Location: Southern NSW

Physical Plant: Three Pond System, middle pond being aerated.

Influent Type: Typical filtered slaughter house effluent and yard washdown with high loading of solids.

Flow: 75 cubic meters per day is the average dry weather flow.

Problem: Regular Odour Problems due to inability of natural bacteria to cope with peak nutrient loadings. The constant high solid build-up was reducing the Aerobic Pond's ability to reduce the high BOD and Suspended Solid loading.

Treatment: Recommended Dosage for Abattoir Waste Water with these contaminants is in the range of 1 to 5 g of ComBact™ per 1000L. An initial dosage of 1.5 kg of ComBact™ was dosed followed by a daily dose of between 1 and 1.5g of ComBact™ per 1000L of effluent.

Results: The serious sludge build-up immediately started to breakdown without any substantial increase in Suspended Solids, BOD or COD. In fact conditions of Aeration Pond were such that the output water could be used for irrigation with very little further treatment.

The Lab results prior to introduction of ComBact™ and 6 weeks after were;

	INFLUENT INTO POND	DAY1 POND	DAY42 POND
BOD	1150	203	63
COD	4800	880	580
TSS	1500	244	45

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